BX88179 Installation Instructions
Apollo Brake System

Serial No.

You must carefully read and understand these instructions prior to the use of this product.

1. Attach the lock nut, 3" rod extension, and brake bracket assembly to the air cylinder. Although you may not need the extension, it gives you more room to work during the installation process.

2. Adjust the driver's seat to the far back position. Place the Apollo on the floorboard between the seat and the brake pedal. Slide the Apollo back against the seat for maximum working room.

3. Attach the brake bracket assembly to the towed vehicle's brake pedal. With the brake bracket assembly facing up, attach the brake bracket assembly to the top of the towed vehicle's brake pedal. Make sure to angle the brake bracket assembly so that the upper portion of the brake bracket assembly grabs the top of the towed vehicle's brake pedal and then pull down on the air cylinder rod (or lower portion of the brake bracket assembly) to extend the brake bracket assembly under the bottom of the towed vehicle's brake pedal.

4. Move the Apollo forward until the air cylinder rod is fully retracted. Be sure the brake pedal is not depressed.

5. Adjust the driver's seat forward until it touches the back support on the back of the Apollo. If your vehicle has a drive-line disconnect, make sure it is out of the way to insure the Apollo does not engage it while towing.

6. Adjust the Apollo back support. Loosen the adjustment knob on the back center portion of the Apollo and adjust the height of the back support so that the back brace contacts the seat at the lowest position possible, without sliding under the seat (the lower on the seat, the firmer the support). Tighten the adjustment knob to secure back support.

7. Power the Apollo. To power the Apollo, plug it into a 12-volt accessory receptacle in the towed vehicle. When powered, the air compressor will fill the air tank in approximately one minute.

8. Push the red test button located on top of the Apollo four to five times to: (a) make sure the unit is working and adjusted properly; and (b) to remove the vacuum stored in the brake vacuum reservoir of the towed vehicle.

CAUTION*:* To minimize the risk of excessive wear to your towed vehicle's tires, press the TEST button four to five times before you tow. This releases any vacuum left in your towed vehicle's system.

9. Make final seat adjustment. After completing the above step, the air cylinder extending and retracting will have placed the Apollo in the proper position. If there is a gap between the seat and back support, adjust the seat forward to close the gap.

IMPORTANT: Look at the brake lights on the rear of the towed vehicle to make sure that they are not on. If the brake lights are on, the Apollo is too close to the brake pedal.

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Strong As An Ox™

Operating Instructions

1. The braking pressure, or how hard your towed vehicle will brake in tow, is adjusted by the air regulator on top of the Apollo. The factory setting is 85 – 90 PSI. If you find the towed vehicles tires to be dragging, the factory setting may need to be adjusted. This could be caused by the Apollo's back support resting against a driver's side seat that is very firm or by it resting against the metal brace underneath the seat. Try lowering the PSI in increments of 10 PSI (85 PSI, 75 PSI, etc.) to resolve the situation. To adjust the PSI, pull up on the air regulator knob, turn knob until the pressure gauge reads the desired setting, and push the knob down to lock it in place. Turn the knob clockwise to increase pressure and counter-clockwise to decrease pressure. Tow the vehicle and test the braking sensitivity.

NOTE: The air gauge shows how much pressure is set to apply the brake. It does not display the air pressure inside the air tank that is automatically filled when the Appolo is plugged into the 12-volt receptacle.

When the Apollo engages, the towed vehicle should give a slight and smooth tug on the motor home. If you do not feel a smooth tug, simply adjust the air regulator to increase the pressure until you feel the Apollo activate.

NOTE: Larger motor homes may not feel a tug when towing smaller vehicles. For confirmation of when and how long the Apollo is activating, a digital wireless alert system may be purchased (BX88180). We strongly recommend using the digital wireless alert system in conjunction with the Apollo to ensure the safety of you, your towed vehicle, and others. It gives you the satisfaction of knowing that the towed vehicle's brakes are being applied when the Apollo is activated.

2. Adjust the Sensitivity button. The Sensitivity button on the top of the Apollo determines how hard you must apply the brakes in the motor home before the Apollo engages the brakes in your towed vehicle. The sensitivity of the Apollo is adjusted by pressing the Sensitivity button (see Sensitivity Chart). The sensitivity advances each time this button is pressed. The more lights that are illuminated, the easier the Apollo will activate. Each time the Apollo is installed, the sensitivity setting automatically returns to its default setting of lowest sensitivity (one light is illuminated).

Sensitivity Chart

1 - 2	***Panic Braking Only***
4 - 5	***Normal Mid Braking***
7 - 8	***Very Sensitive Braking***

CAUTION: This is a general guideline only and may vary, depending on conditions , driver, and/ or vehicle.

Your RV must be moving faster than 15 MPH for the Apollo to engage the brakes in the towed vehicle.

3. Breakaway system (BX88181) should be installed to assure safe towing for you and others. Be sure the BX88181 is installed according to its enclosed instructions. If the breakaway system is activated while towing, the Apollo system applies the brake in the towed vehicle and does not release the pressure until your Apollo system is reset. To reset the Apollo unit, disconnect the electrical power from accessory receptacle for 10 seconds. Reinstall the breakaway plug and power up system again.

Removal Instructions

1. Unplug the unit
2. Push the drain button to relieve the air pressure in the system.
3. Adjust seat back and remove the Apollo.

Normalize the unit prior to each trip. Doing this increases the accuracy and performance of your unit for each trip.

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Go RVing Life's A Trip

WARNING: Failure to drain your Apollo's air system and unplug it from the car's power source before handling may cause damage to your vehicle, serious injury, or death.

IMPORTANT: Use only genuine factory replacement parts on your Braking System. Do not substitute homemade or nontypical parts. This may cause your brake system to fail and result in injury or death. If repairs of parts or components of your braking system is needed, you can order through your nearest Blue Ox dealer or distributor.

Normalizing Apollo and LUXOR

The Apollo and LUXOR braking systems are based on digital technology. To get the best performance from your unit, we recommend you normalize the unit prior to each trip. Doing this increases the accuracy and performance of your unit for each trip.

Normalizing the unit:

1. Make sure the towed vehicle is on a level surface.
2. Install the Apollo according to the instructions in the User's Manual.
3. Power up the unit and wait for the compressor to fully charge the system.
4. Set the Sensitivity at 8.
5. While holding down the TEST button, press the SENSITIVITY button five times.
6. Release the TEST button and the arm will actuate the brake pedal.
7. Set the SENSITIVITY to your desired setting.
8. The unit is now ready to use.

If you should have any questions please contact a member of Blue Ox's 24/7 Customer Care Team at 1 (888) 425-5382.

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